

Title (en)  
Liquid crystal compound.

Title (de)  
Flüssigkristalline Verbindung.

Title (fr)  
Composés cristal liquides.

Publication  
**EP 0435240 A2 19910703 (EN)**

Application  
**EP 90125450 A 19901224**

Priority  
JP 33948189 A 19891227

Abstract (en)  
A liquid crystal compound represented by formula (I): <CHEM> wherein R1 represents an alkyl group having from 3 to 18 carbon atoms or an aralkyl group having from 7 to 18 carbon atoms; R2 represents an alkenyl group having from 1 to 18 (preferably from 3 to 14) carbon atoms; R3 represents CF3 or C2F5; X represents a single bond, -O-, -COO-, or -OCO-; Y represents -COO-, -OCO-, -CH2O-, or -OCH2-; A and B each represents a cyclic group; and \* indicates an optically active center. The compound of formula (I) exhibits three stable states of molecular orientation.

IPC 1-7  
**C07C 69/78; C09K 19/20; C09K 19/30; C09K 19/32; C09K 19/34**

IPC 8 full level  
**G02F 1/13** (2006.01); **C07C 69/90** (2006.01); **C07C 69/92** (2006.01); **C07C 69/94** (2006.01); **C09K 19/02** (2006.01); **C09K 19/20** (2006.01)

CPC (source: EP US)  
**C07C 69/90** (2013.01 - EP US); **C07C 69/92** (2013.01 - EP US); **C09K 19/0266** (2013.01 - EP US); **C09K 19/2021** (2013.01 - EP US)

Cited by  
EP0571276A1; US5451339A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0435240 A2 19910703; EP 0435240 A3 19910918; EP 0435240 B1 19950524**; DE 69019703 D1 19950629; DE 69019703 T2 19951116; JP 2822355 B2 19981111; JP H03197444 A 19910828; US 5110498 A 19920505

DOCDB simple family (application)  
**EP 90125450 A 19901224**; DE 69019703 T 19901224; JP 33948189 A 19891227; US 63463190 A 19901227